(5337-00001)
(88226755)

SITE SCREENING ASSESSMENT

Prepared by:
California Department of Toxic Substances Control
Cooperative Agreement Number:
DTSC Fiscal Year: 2007-08

Prepared for:
United States Environmental Protection Agency
Region 9
States, Planning, and Assessment Office
San Francisco, California

Date: 6/18/08

Site Name: Four Star Chemical
City: Los Angeles
County: Los Angeles
EPA ID Number: CAC000606256
CADTSC Envirostor ID Number: 19281224
DTSC Regional Office: Chatsworth

EXECUTIVE SUMMARY

Site Name:	**ESH Environmental**
EPA ID Number:	CAC000072461
Envirostor ID:	Site does not exist in Envirostor
Site Screen	**YES:** ☐ **NO:** ☒
Site Reassessment	**YES:** ☒ **NO:** ☐

Findings and Recommendation :

Pre-Triage Recommendation					
Refer to: ☐ EPA ☒ CADTSC ☐ CARWQCB ☐ Local Agency					
FORWARD TO TRIAGE:	☒	Yes	☐	No	
Post-Triage Recommendation					
Refer to: ☐ EPA ☒ CADTSC ☐ CARWQCB ☐ Local Agency					

Final Signatures and Concurrence:

DTSC Screener: _____ Poonam (Type Name) _____

DTSC Approval: _____ (Signature) Rita kamat (Type Name) _____ (Date: (MM/DD/YYYY))

EPA Concurrence: _____ (Signature) Matt Mitguard (Type Name) _____ (Date: (MM/DD/YYYY))

SITE SCREENING ASSESSMENT (SSA)

Site Screening: ☐ \ **Site Reassessment:** ☒

Section 1: Site Information

1.1: Site Name: Four Star Chemical
Other Names: American Labs and Recovery, American Labs, INC.

1.2: Origin of Site under assessment:

Discovery Project/Name:
or
Referral from other Agency/Name:
or
Complaint/ Name:
or
In CERCLIS (for Reassessments): YES

1.3: Site Location Information

Street Address: 5701 Compton Avenue, Los Angeles, CA 90014

City: Los Angeles **County:** Los Angeles

State: California **Zip Code:** 90014

Latitude: 33°99'11.60"N **Longitude:** 118°24'77.86"W

Acres: Unknown

1.3 Regulatory Information:

CERCLIS? CAD981459175 **RCRA site?** No

SLIC site? No **LUFT site?** No

UST site? No **WIP site?** No

Landfill site? No **Local Agency site?** Unknown

Envirostor ID: 19281224 **EPA ID: CAC000606256**

Geotracker ID: NA **Geotracker Case Number:** NA

Is the contamination petroleum related: No

Section 2: Operational History

Current owner: 5701 S COMPTON LLC
Current operator: Owner
Hazardous materials used:
Un known
Dates of operation: 1992 onwards.
Historical owners/operators that may have used Hazardous Materials onsite:
Specify dates and materials that may have been used:

Owners: ERLICH MELVYN
Operators: Owner
Hazardous materials used: unknown
Hazardous materials suspected:
Dates of operation: until 1992

Owners:
Operators:
Hazardous materials used:
Hazardous materials suspected:
Dates of operation:

Owners:
Operators:
Hazardous materials used:
Hazardous materials suspected:
Dates of operation:

Section 3: Site Impact Information

What is the site setting: Urban
Details:

Land use surrounding the site: Residential/industrial
Details: NA

Are there residences within 200 feet: Yes
Details: The site is surrounded by residences on two sides.

Are there schools/day care centers within 200 feet: No
Surface water within 2 miles of the site? No
Details: NA

Are there any sensitive environments or wetlands within 2 miles of site: No
Details:

Is this site a source of contamination to surface water? Unknown
Details:

Is surface water used for drinking water within 15 miles of the site? No

If yes, is the surface water used for public / commercial supply:

If yes, is the surface water used for private supply:

If yes, approximately how many people served by the surface water:

Details:

Is groundwater used for drinking water within 4 miles of site? Yes

If yes, are the drinking wells public / commercial: Yes **or private** No

If yes approximately how many people served by the ground water:

Details: The wells located within 4 miles of the site belong to GSWC - Florence/Graham - Santa Fe Springs. They feed a population of 31561 with 9564 connections.

Is groundwater within 4 miles of the site known to be contaminated with hazardous substances Yes

If yes, what hazardous substances : VOCs, Metals

If yes, do any of the levels exceed drinking water standards? Yes

Details: The site is located within a mile of United Alloys with known GW contamination of VOCs.The site is also located within a mile from the HardChrome site where the groundwater is contaminated with VOCs & Chromium-VI .DTSC oversees both sites.

Is this site a source of ground water contamination? Suspected
Details: Based on the regulatory history of the site, it is suspected to be a source of GW contamination.

Any Community Involvement? No
Details:

Site Reconnaissance

1. **Date of visit:** 5/17/08
2. **Adjacent properties:**

   North Triple Image Facility
   South Residences
   East Public park
   West Residences

3. **Structures onsite (e.g. Office Bldg, Paint Booth, Repair Shop etc.):** office bldg with a covered storage area full of chemical tanks

4. **Any visual staining:** yes. the building was closed. Some staining was observed from the partially closed gate.

5. **Any hazardous Materials storage onsite:** unknown

6. **Specify any hazardous Materials used onsite:** unknown

7. **Indicate if following are present onsite, specify volume, content and how many:**

a) **Drums:** Yes
b) **ASTs:** unknown
c) **USTs:** Unknown
d) **Clarifiers:** No
d) **Other:** No

8. **Any transformers containing PCBs?** unknown

9. **Any previous sampling results:** Yes. The results are attached.

Section 4: Recommendations/Conclusions

Does the site pose an immediate threat and require Removal? No, site is paved and hence doesnot pose any immediate threat.

Have there been any historical releases at the site: unknown

Based on the site reconnaissance and/or regulatory search is there a potential for a release at the site? Yes. The regulatory information indicated extensive use of solvents on the site. Concentrations of PCE as high as 232,000 ug/l was found in the waste discharge stream from the site. Poor house keeping practises were observed according to the Fire Department Records. All these factors indicate that there could be a potential release at the site.

Summary

Hazardous material inventory for the facility reviewed at the County of Los Angeles, Public Health's office indicated an extensive use of solvent on the facility.

HAZMAT report dated 3rd May 1983 indicated that a complaint was made regarding the chemical runoff from above location in to the streets. Inspection was conducted with the Plant Manager Mr. Dave Peterson. No evidence was found for runoff in to the streets. However; a large pool of water was observed towards the west end of the property next to a public alley. Plant manager said it was rainwater.PH of the water was tested as 14 indicating Hazardous materials present. Hazardous Material Violation was issued.Written plan for management of the waste was requested.Company was not licenced as a waste generator.

Results of grab samples for solvents taken by district inspection at Four Star Chemical Company in December 1985 are attached in appendix C.The results from sampling indicated the levels of chlorinated hydrocarbons, benzene, Metals, oil & grease in the discharge above the Los Angeles Municipal code. . Concentrations of PCE as high as 232,000 ug/l was found in the waste discharge stream from the site.

Telephone request was made on 11/4/87 about facility discharging liquid waste occasionally in the streets. In response to the telephone request, a site drive by was conducted on 11/19/87 by a HAZMAT representative and no liquid was observed.

Complaint was sent to HAZMAT to close the facility because of working with hazardous chemicals. HAZMAT division inspected the facility on 7/5/00.Inspection report indicated that the storage was ok & the facility did not handle any chemicals. Complaint was not substantiated.

DTSC conducted a drive by to the facility in June,2008. The facility was a closed structure. Staining on the paved surface and chemical tanks could be seen through the partially open gate.

DTSC conducted a limited soil gas sampling on the streets adjacent to the site on 6/24/08. Results from the sampling indicate concentrations as high as 130 ug/l of TCE at 5 feet & 210 ug/l at 15 feet. Residences are as close as 20 feets from the site.DTSC recommends that additional investigation be performed at the site.

Attachment A

SITE SCREENING ASSESSMENT CONTACT REPORT

Site Name: _____ **Site Screener:** _____

Contact Name	Affiliation	Telephone Number	Date	Discussion
Robert Smith, Deputy health officer	County of Los Angeles Public Health	(323) 890-7801	3/12/08	Available files were reviewed.Relevant information is attached to Appendix-C.
Andrew Veloz, Student Intern	Los Angeles Regional Water Quality Control Board.	(213) 576-6600		DTSC had sent out a fax requesting information on the site. In response, DTSC was informed over phone that the files were not available for this site. asveloz@waterboards.ca.gov

Attachment B

SITE EVALUATION MAP AND BACKUP COVER PAGE

Attachment C

SITE SCREENING ASSESSMENT ATTACHMENT INDEX

Site Name: _____ **Site Screener:** _____

Attachment #	Document Title	Date	Details of Attachment
1)	Sampling results from water discharged to the sewers	Dec 1985-Oct 1986	Results of grab samples for solvents taken by district inspection at Four Star chemical Company
2)	DTSC Soil Gas Sampling Results	April 2008, June 2008	DTSC conducted Preliminary Soil Gas Sampling in the area.Results from the sampling are attached. DTSC also conducted soil gas sampling on the streets adjacent to the site. Results are attached.

RESULTS OF GRAB SAMPLES FOR SOLVENTS TAKEN BY DISTRICT INSPECTION AT FOUR STAR CHEMICAL CO.

From: December 1985 Until Present

Note: District inspection and sampling was increased from monthly to twice a week commencing on August 26, 1986

DATE	METHYLENE CHLORIDE (mg/l)	1,1,1, TRI-CHLOROETHANE (mg/l)	TOLUENE (mg/l)	PCE (mg/l)	O-XYLENE (mg/l)
12-16-85	---	---	---	53.8	17.6
12-20-85	---	---	---	4.33	---
1-9-86	---	---	10.2	7.03	---
3-11-86	16.4	66.3	2.52	128.0	---
4-8-86	115.0	2.3	2.45	4.91	---
6-10-86	76.0	---	5.0	232.0	---
7-17-86	172.0	---	5.3	17.8	---
8-11-86	7.26	---	---	12.6	---
8-26-86	204.0	5.7	20.1	25.6	---
8-27-86	141.0	4.47	15.0	25.1	---
8-28-86	42.2	3.72	7.34	21.0	---
9-2-86	13.2	---	---	6.8	---
9-4-86	18.2	---	1.4	6.06	---
9-9-86	15.2	---	1.51	6.13	---
9-11-86	21.1	---	2.16	6.88	---
9-16-86	17.0	---	---	10.5	---
9-18-86	1.84	---	---	3.5	---
9-23-86	---	---	---	3.85	---
9-25-86	2.6	---	---	---	---
9-30-86	353.0	---	1.48	5.82	---
10-2-86	215.0	---	1.31	5.96	---

THE LOS ANGELES MUNICIPAL CODE. SECTION 64.30 PROHIBITS THE DISCHARGE OF TOTAL IDENTIFIED CHLORONATED HYDROCARBONS AND BENZENES INTO THE SEWER SYSTEM.

Summary:

Through the period of December 1985 to October 1986,
- 21 days were sampled by district inspectors
- All 21 samples were found to have at least one violation of the Los Angeles Municipal Code

RESULTS OF GRAB SAMPLES FOUND TO BE IN VIOLATION FOR
OIL & GREASE, METALS AND pH
TAKEN BY DISTRICT INSPECTION AT FOUR STAR CHEMICAL COMPANY

From: December 1985 Until Present

DATE	pH	OIL & GREASE (mg/l)	COPPER (mg/l)	LEAD (mg/l)
12-16-86	---	12,702.	---	---
4-8-86	11.5	---	---	---
6-10-86	11.8	---	19.3	5.87
8-11-86	12.8	---	---	---
9-18-86	4.6	---	---	---

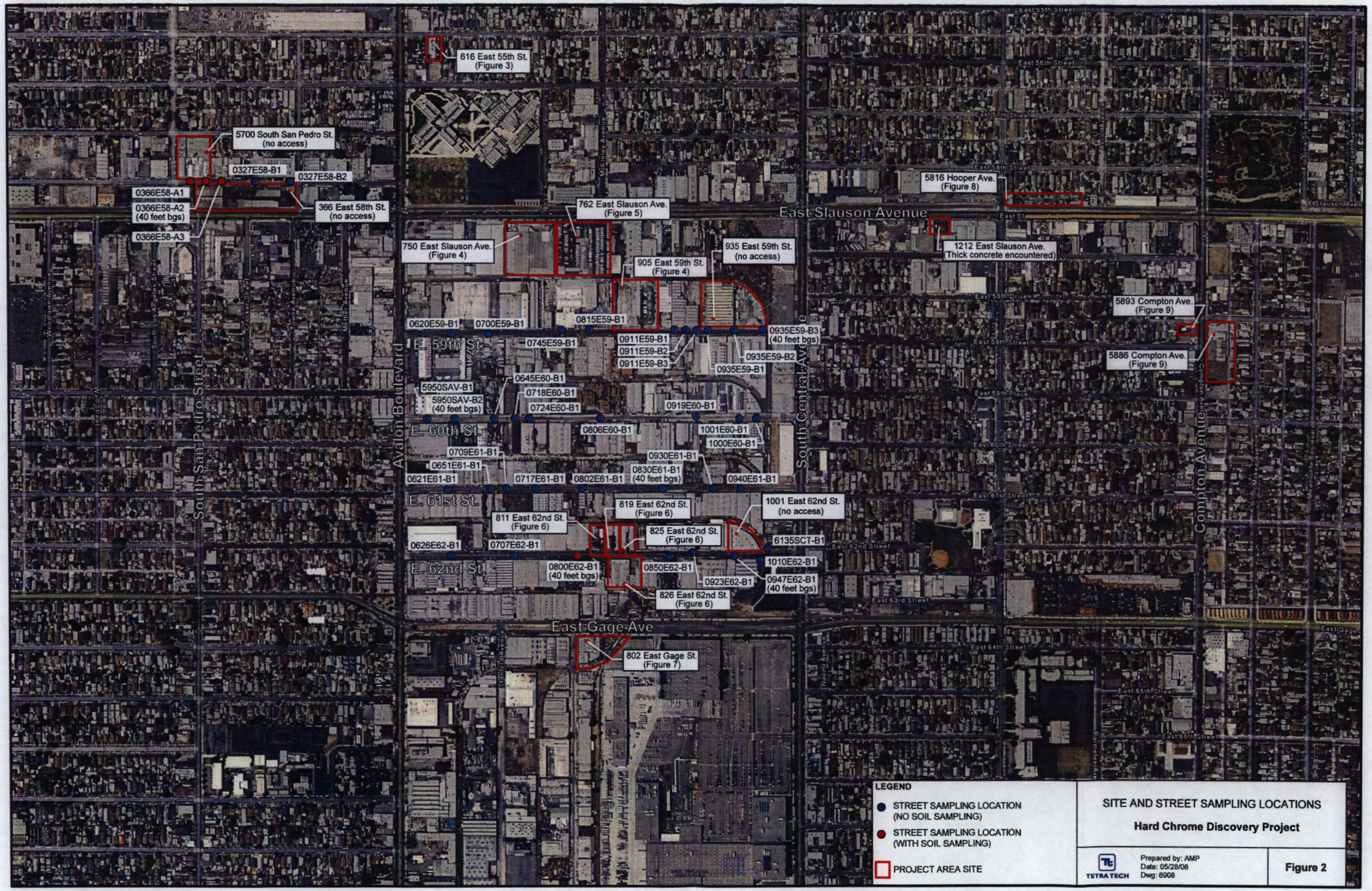
LOS ANGELES MUNICIPAL CODE LIMIT 64.30 B.2(a)

pH = 5.5 TO 11.0

COPPER = 15.0 mg/l

LEAD = 5.0 mg/l

DISPERSED
OIL & GREASE = 600.0 mg/l


616 East 55th St.
(Figure 3)
5700 South San Pedro St.
(no access)
0327E58-B1
0327E58-B2
0366E58-A1
0366E58-A2
(40 feet bgs)
0366E58-A3
366 East 58th St.
(no access)
762 East Slauson Ave.
(Figure 5)
750 East Slauson Ave.
(Figure 4)
905 East 59th St.
(Figure 4)
935 East 59th St.
(no access)
East Slauson Avenue
5816 Hooper Ave.
(Figure 8)
1212 East Slauson Ave.
(Thick concrete encountered)
5893 Compton Ave.
(Figure 9)
5886 Compton Ave.
(Figure 9)
0620E59-B1
0700E59-B1
0815E59-B1
0935E59-B3
(40 feet bgs)
0911E59-B1
0911E59-B2
0911E59-B3
0745E59-B1
0935E59-B2
0935E59-B1
E. 59th St.
0645E60-B1
5950SAV-B1
5950SAV-B2
(40 feet bgs)
0718E60-B1
0724E60-B1
0919E60-B1
E. 60th St.
0806E60-B1
1001E60-B1
1000E60-B1
0709E61-B1
0930E61-B1
0651E61-B1
0621E61-B1
0717E61-B1
0802E61-B1
0830E61-B1
(40 feet bgs)
0940E61-B1
E. 61st St.
819 East 62nd St.
(Figure 6)
1001 East 62nd St.
(no access)
811 East 62nd St.
(Figure 6)
825 East 62nd St.
(Figure 6)
6135SCT-B1
0626E62-B1
0707E62-B1
1010E62-B1
E. 62nd St.
0800E62-B1
(40 feet bgs)
0850E62-B1
0923E62-B1
0947E62-B1
(40 feet bgs)
826 East 62nd St.
(Figure 6)
East Gage Ave
802 East Gage St.
(Figure 7)
South San Pedro Street
Avalon Boulevard
South Central Ave
Compton Avenue
East 55th Street
East 56th Street
East 57th Street
East 58th Street
East 58th Drive
East 59th Street
East 59th Place
East 60th Street
East 61st Street
East 62nd Street
East 63rd Street
East 64th Street
East 65th Street
East 66th Street
McKinley Avenue
Fortuna Street
Morgan Avenue
Maie Avenue
Mariposa Boulevard
Wadsworth Avenue
Wall Street
South Los Angeles Street
Towne Avenue
Main Street
Stanford Avenue
Naomi Avenue
Barmelee Ave
LEGEND
STREET SAMPLING LOCATION
(NO SOIL SAMPLING)
STREET SAMPLING LOCATION
(WITH SOIL SAMPLING)
PROJECT AREA SITE
SITE AND STREET SAMPLING LOCATIONS
Hard Chrome Discovery Project
TETRA TECH
Prepared by: AMP
Date: 05/28/08
Dwg: 6908
Figure 2

LEGEND

- SAMPLING LOCATION
- PCE 33 ORGANIC COMPOUND IN SOIL VAPOR (µg/L)
- As 2.7 INORGANIC COMPOUND IN SOIL (mg/kg)

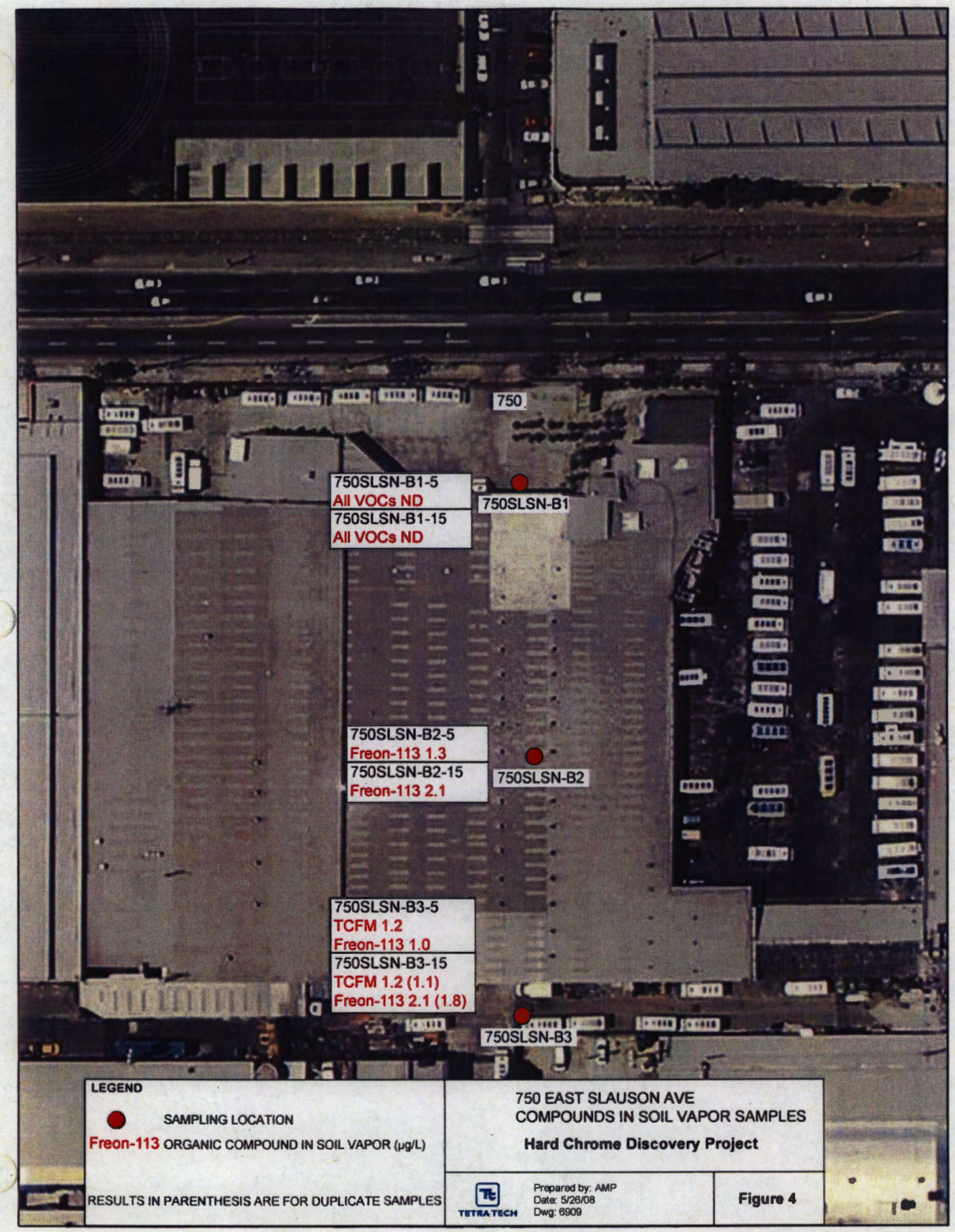
RESULTS IN PARENTHESIS ARE FOR DUPLICATE SAMPLES

616 EAST 55th STREET
COMPOUNDS IN SOIL AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/28/08
Dwg: 6893

Figure 3



LEGEND

SAMPLING LOCATION

Freon-113 ORGANIC COMPOUND IN SOIL VAPOR (µg/L)

RESULTS IN PARENTHESIS ARE FOR DUPLICATE SAMPLES

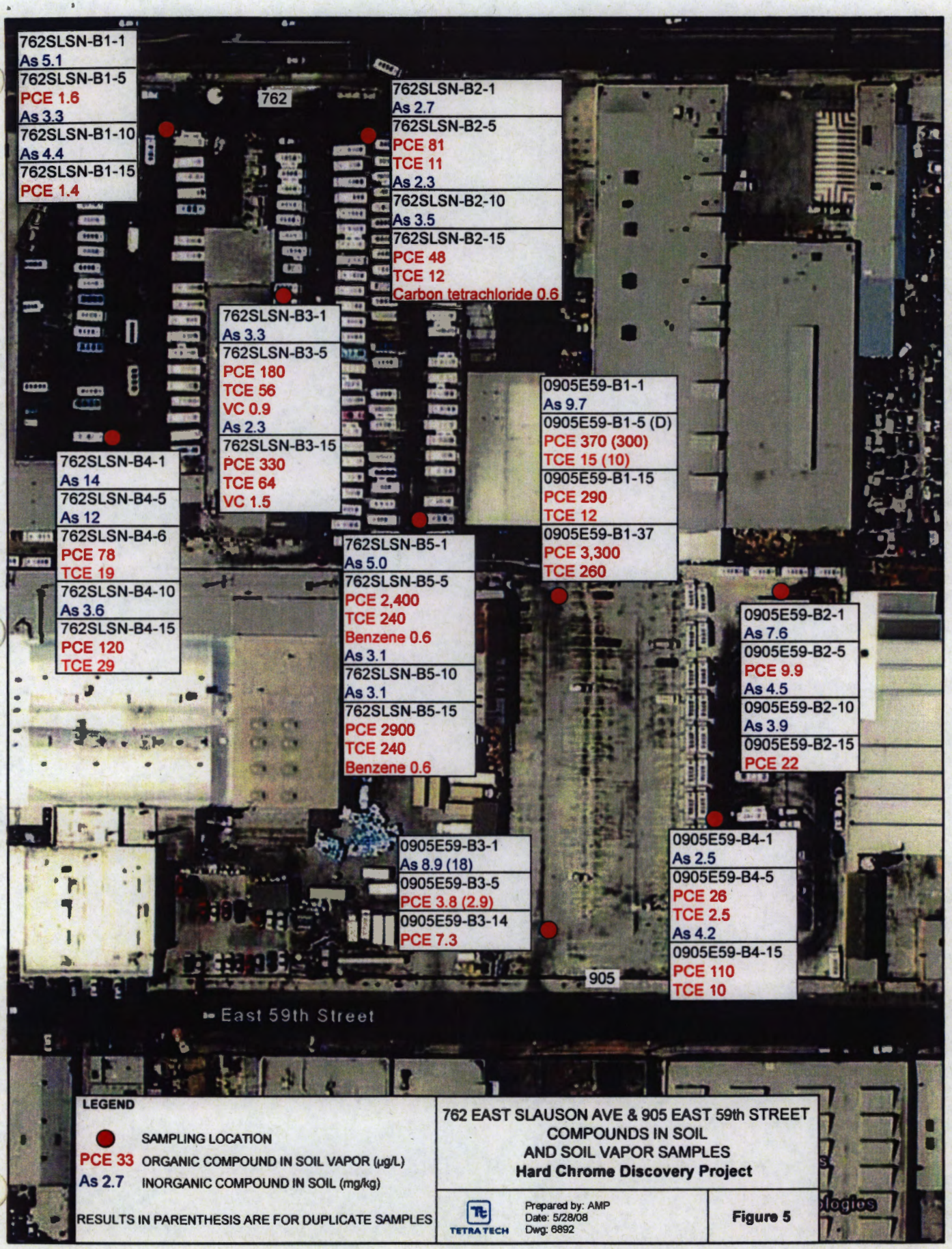
750 EAST SLAUSON AVE
COMPOUNDS IN SOIL VAPOR SAMPLES

Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/26/08
Dwg: 6909

Figure 4



LEGEND

- SAMPLING LOCATION
- PCE 33 ORGANIC COMPOUND IN SOIL VAPOR (µg/L)
- As 2.7 INORGANIC COMPOUND IN SOIL (mg/kg)

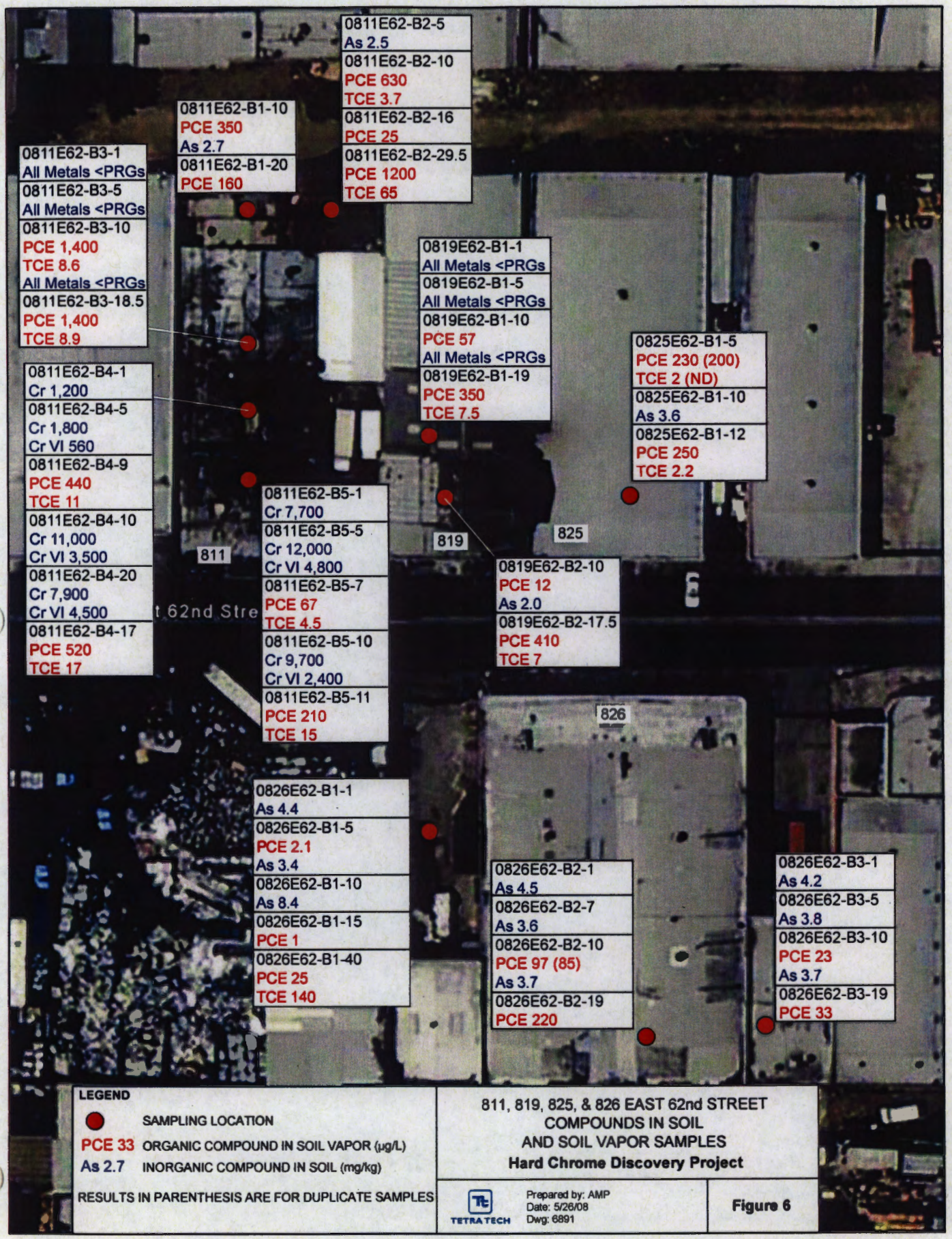
RESULTS IN PARENTHESIS ARE FOR DUPLICATE SAMPLES

762 EAST SLAUSON AVE & 905 EAST 59th STREET
COMPOUNDS IN SOIL
AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/28/08
Dwg: 6892

Figure 5



LEGEND

- SAMPLING LOCATION
- PCE 33 ORGANIC COMPOUND IN SOIL VAPOR (µg/L)
- As 2.7 INORGANIC COMPOUND IN SOIL (mg/kg)

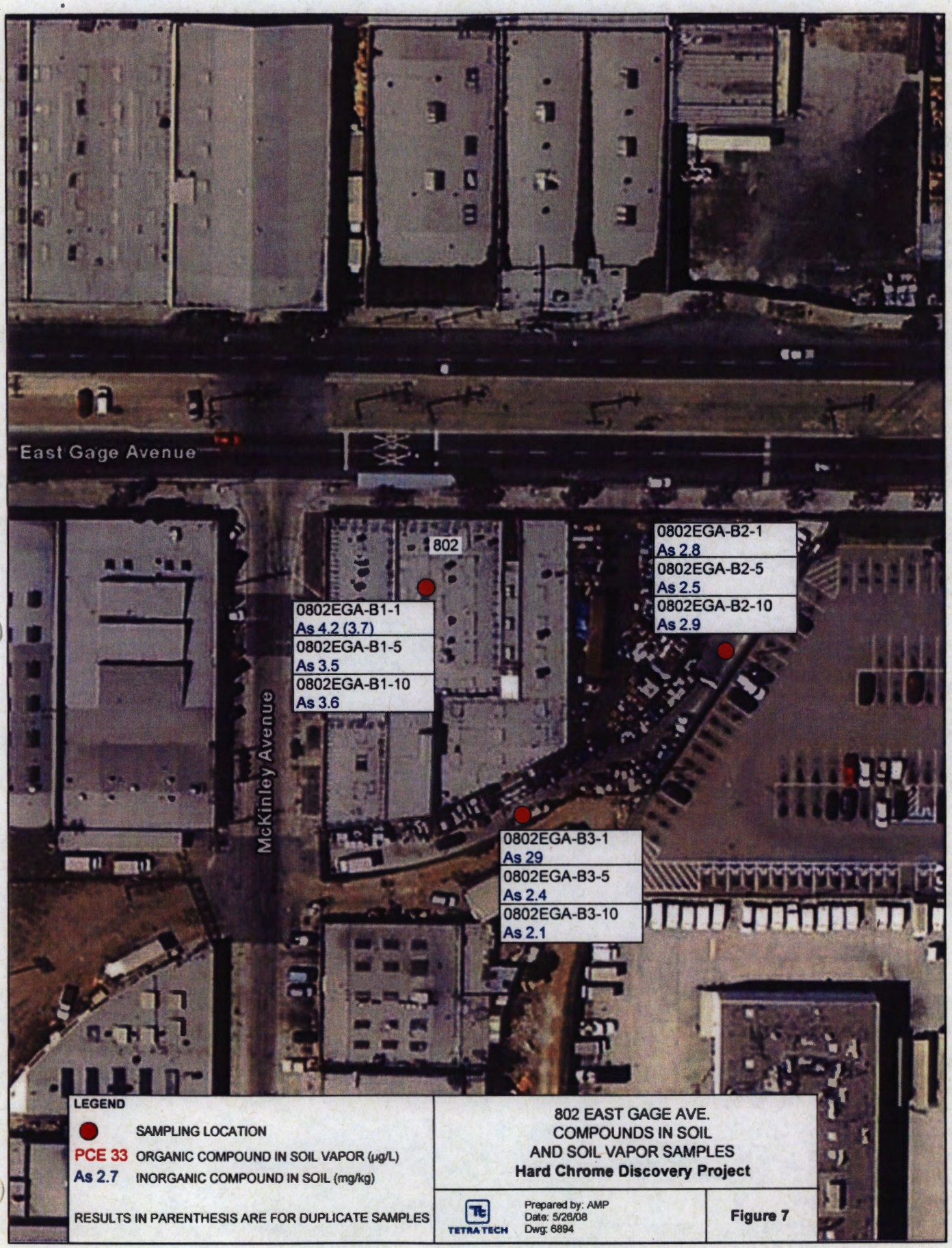
RESULTS IN PARENTHESIS ARE FOR DUPLICATE SAMPLES

811, 819, 825, & 826 EAST 62nd STREET
COMPOUNDS IN SOIL
AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/26/08
Dwg: 6891

Figure 6



LEGEND

- SAMPLING LOCATION
- PCE 33 ORGANIC COMPOUND IN SOIL VAPOR (µg/L)
- As 2.7 INORGANIC COMPOUND IN SOIL (mg/kg)

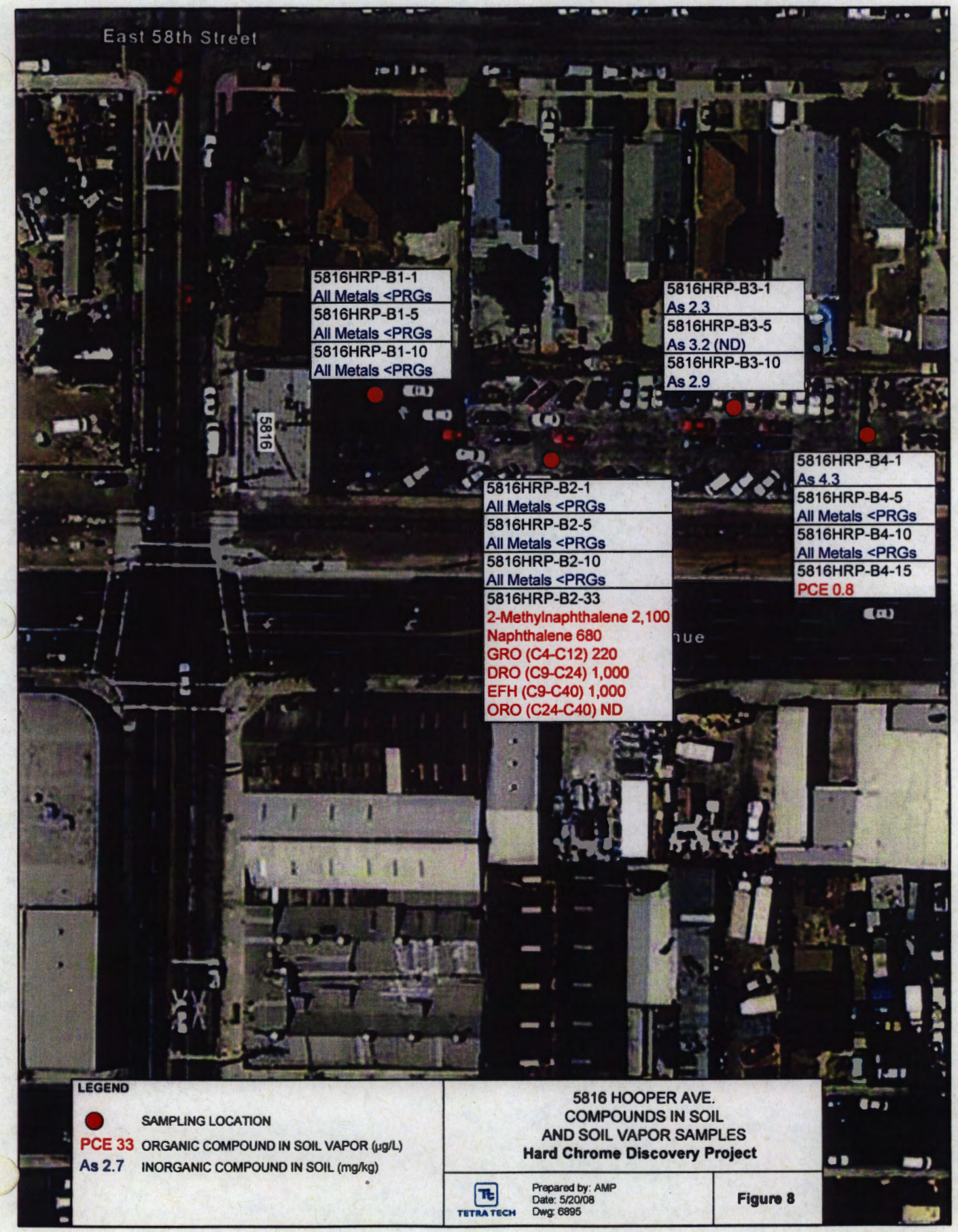
RESULTS IN PARENTHESIS ARE FOR DUPLICATE SAMPLES

802 EAST GAGE AVE.
COMPOUNDS IN SOIL
AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/26/08
Dwg: 6894

Figure 7



LEGEND

- SAMPLING LOCATION
- PCE 33 ORGANIC COMPOUND IN SOIL VAPOR (µg/L)
- As 2.7 INORGANIC COMPOUND IN SOIL (mg/kg)

5816 HOOPER AVE.
COMPOUNDS IN SOIL
AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/20/08
Dwg: 6895

Figure 8

LEGEND

● SAMPLING LOCATION

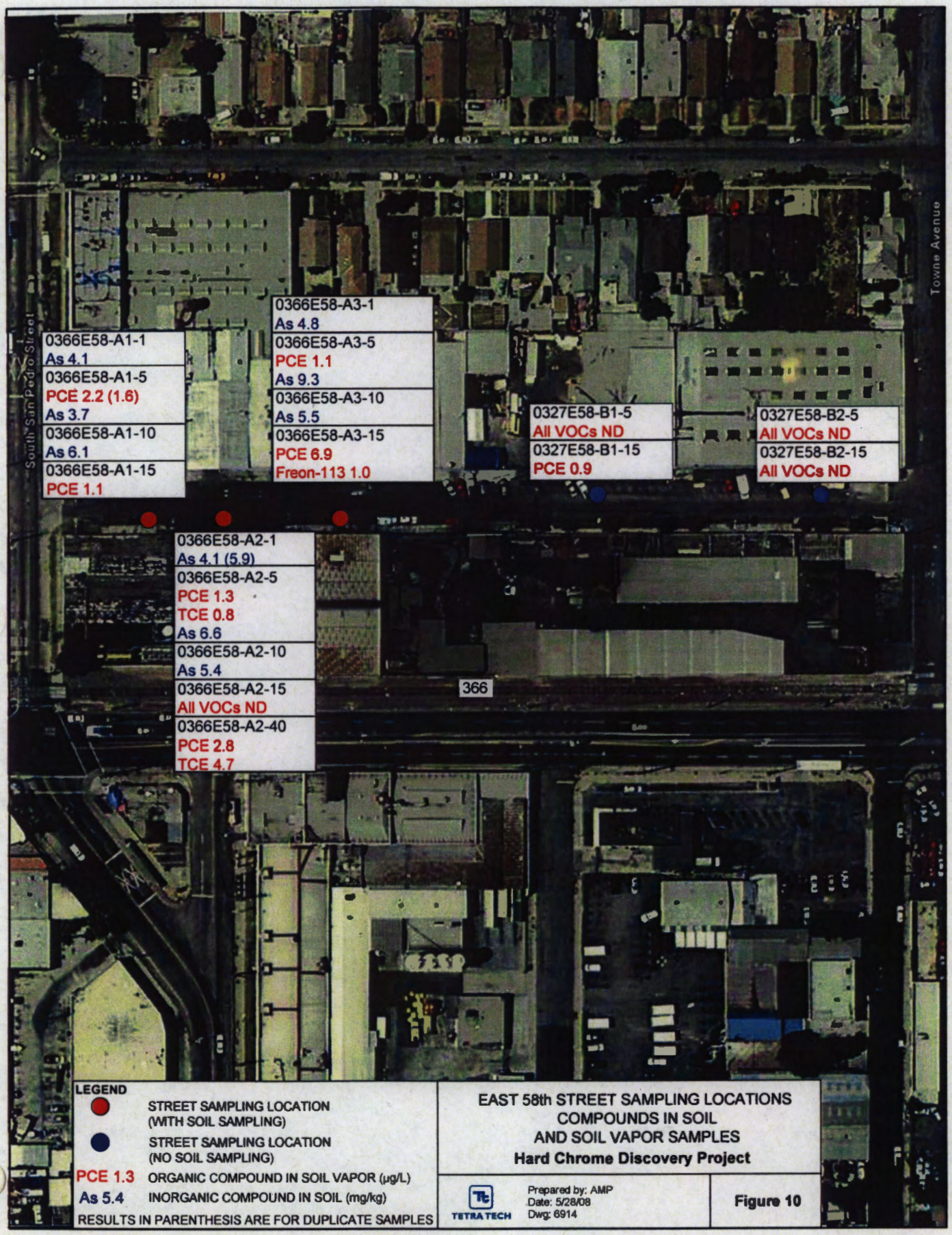
5886 & 5893 SOUTH COMPTON AVE
COMPOUNDS IN SOIL VAPOR SAMPLES

Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/26/08
Dwg: 6910

Figure 9

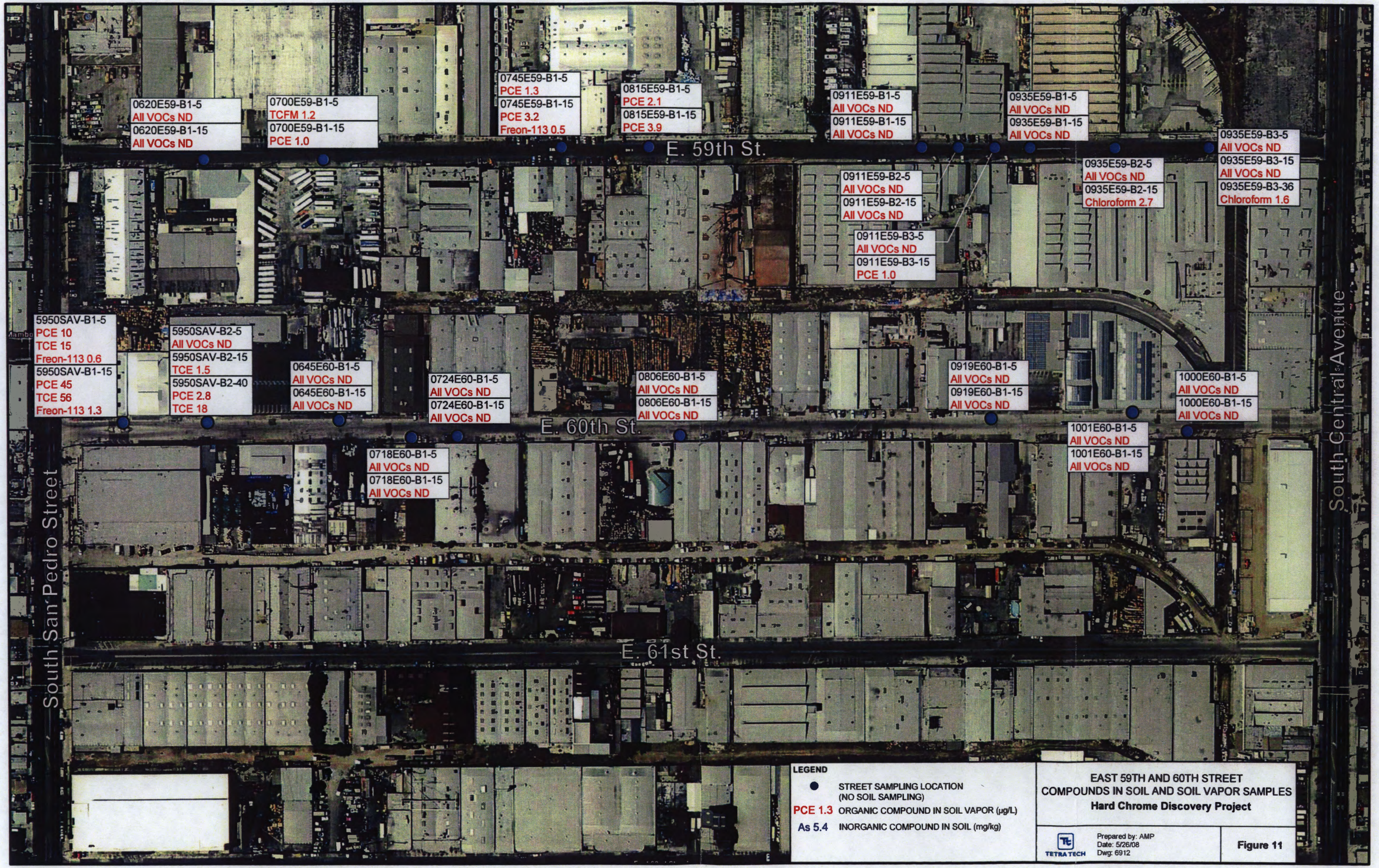


EAST 58th STREET SAMPLING LOCATIONS
COMPOUNDS IN SOIL
AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/28/08
Dwg: 6914

Figure 10



LEGEND

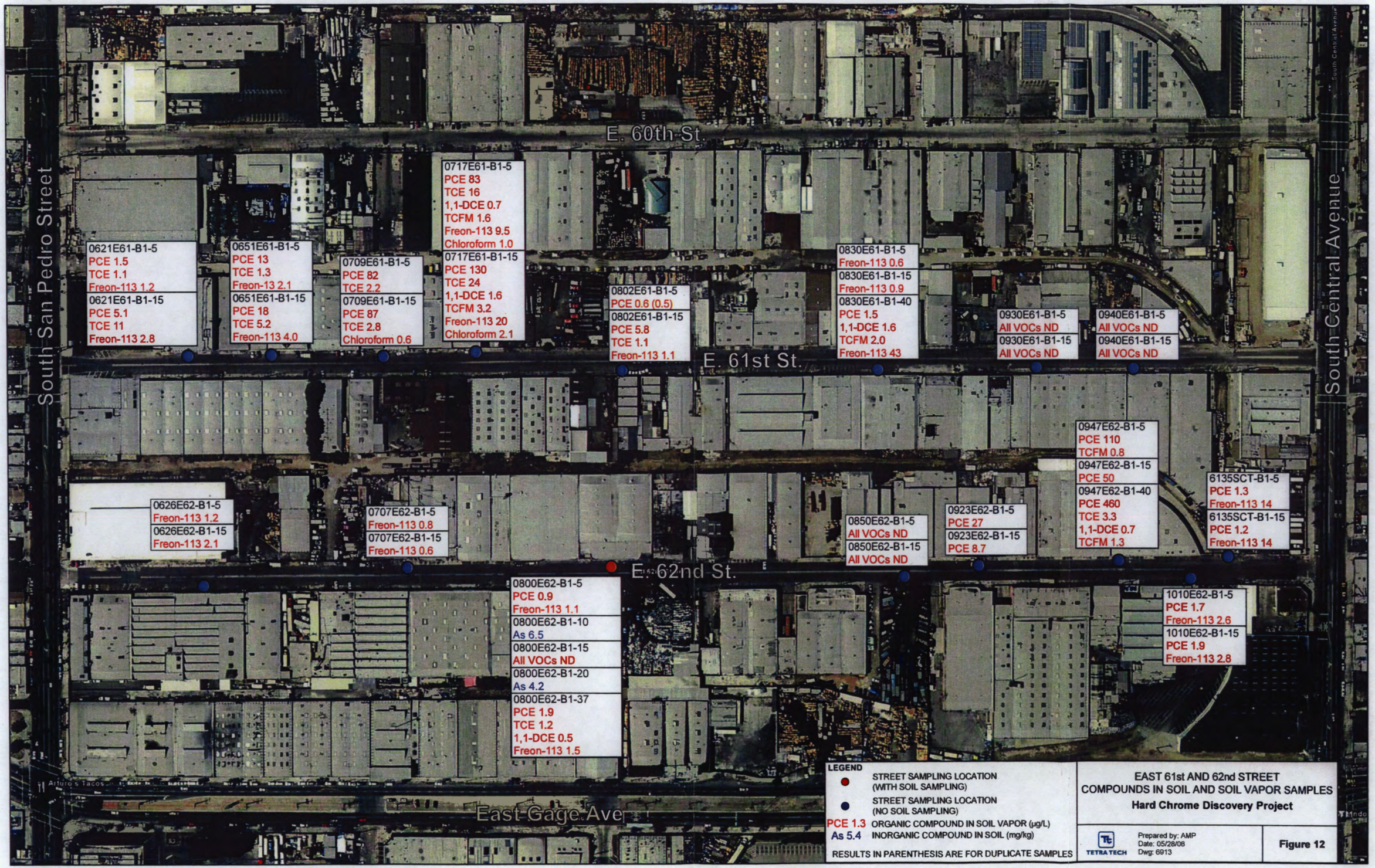
- ● STREET SAMPLING LOCATION (NO SOIL SAMPLING)
- PCE 1.3 ORGANIC COMPOUND IN SOIL VAPOR (µg/L)
- As 5.4 INORGANIC COMPOUND IN SOIL (mg/kg)

EAST 59TH AND 60TH STREET
COMPOUNDS IN SOIL AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 5/26/08
Dwg: 6912

Figure 11



EAST 61st AND 62nd STREET
COMPOUNDS IN SOIL AND SOIL VAPOR SAMPLES
Hard Chrome Discovery Project

TETRA TECH

Prepared by: AMP
Date: 05/28/08
Dwg: 6913

Figure 12

MOBILE GEOCHEMISTRY

H&P

Tetra Tech - Santa Barbara	Project: TT062408-SB1	
301 Mentor Drive, Suite A	Project Number: Task # 100-PEN-T22064-06	Reported:
Santa Barbara, CA 93111	Project Manager: Mr. James Elliot	24-Jun-08

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: 5701CMT-B2-40, P309cc (E806076-03) Vapor Sampled: 24-Jun-08 Received: 24-Jun-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EF82403	24-Jun-08	24-Jun-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Methylene chloride	ND	0.5	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	0.2	0.1	"	"	"	"	"	"	
Trichloroethene	0.2	0.1	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Tetrachloroethene	39	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

Tetra Tech - Santa Barbara	Project: TT062408-SB1	
301 Mentor Drive, Suite A	Project Number: Task # 100-PEN-T22064-06	Reported:
Santa Barbara, CA 93111	Project Manager: Mr. James Elliot	24-Jun-08

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: 5701CMT-B2-15, P184cc (E806076-04) Vapor Sampled: 24-Jun-08 Received: 24-Jun-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EF82403	24-Jun-08	24-Jun-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Methylene chloride	ND	0.5	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	0.2	0.1	"	"	"	"	"	"	
Trichloroethene	0.3	0.1	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Tetrachloroethene	89	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*97.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.4 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

Tetra Tech - Santa Barbara	Project: TT062408-SB1	
301 Mentor Drive, Suite A	Project Number: Task # 100-PEN-T22064-06	Reported:
Santa Barbara, CA 93111	Project Manager: Mr. James Elliot	24-Jun-08

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: 5701CMT-B2-5, P134cc (E806076-05) Vapor	**Sampled: 24-Jun-08**		**Received: 24-Jun-08**						
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EF82403	24-Jun-08	24-Jun-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Methylene chloride	ND	0.5	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	0.2	0.1	"	"	"	"	"	"	
Trichloroethene	0.2	0.1	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Tetrachloroethene	130	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*96.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

Tetra Tech - Santa Barbara	Project: TT062408-SB1	
301 Mentor Drive, Suite A	Project Number: Task # 100-PEN-T22064-06	Reported:
Santa Barbara, CA 93111	Project Manager: Mr. James Elliot	24-Jun-08

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: 5701CMT-B3-15, P184cc (E806076-06) Vapor Sampled: 24-Jun-08 Received: 24-Jun-08									
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EF82403	24-Jun-08	24-Jun-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Methylene chloride	ND	0.5	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	0.3	0.1	"	"	"	"	"	"	
Trichloroethene	0.6	0.1	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Tetrachloroethene	210	1.0	"	0.5	"	"	"	"	
Ethylbenzene	ND	1.0	"	0.05	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

Tetra Tech - Santa Barbara	Project: TT062408-SB1	
301 Mentor Drive, Suite A	Project Number: Task # 100-PEN-T22064-06	Reported:
Santa Barbara, CA 93111	Project Manager: Mr. James Elliot	24-Jun-08

DRAFT: Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DRAFT: 5701CMT-B3-5, P134cc (E806076-07) Vapor	**Sampled: 24-Jun-08**	**Received: 24-Jun-08**							
1,1-Difluoroethane (LCC)	ND	10	ug/l	0.05	EF82403	24-Jun-08	24-Jun-08	EPA 8260B	
Dichlorodifluoromethane	ND	0.5	"	"	"	"	"	"	
Vinyl chloride	ND	0.1	"	"	"	"	"	"	
Chloroethane	ND	0.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Methylene chloride	ND	0.5	"	"	"	"	"	"	
Freon 113	ND	0.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	"	"	"	"	"	"	
Chloroform	ND	0.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.1	"	"	"	"	"	"	
Benzene	0.1	0.1	"	"	"	"	"	"	
Trichloroethene	ND	0.1	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	"	"	"	"	"	"	
Tetrachloroethene	82	0.1	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.5 %*		*75-125*	"	"	"	"	

Attachment D

SITE TYPE – PRIMARY/SECONDARY ACTIVITY FORM

Fed Fac Indicator: ☐ Federal Facility ☒ Not A Federal Facility ☐ Status Undetermined

RCRA Status: ☐ Generator ☐ TSDF ☐ Transporter ☒ Not listed in RCRIS

SITE TYPES **(Designate <u>one</u> dominant primary category (*PC*). Designate all secondary subcategories (*SS*) that apply.) Site type designations for both primary & secondary should pertain to the operation(s) on site of environmental consequence.**

P C	S S	Manufacturing/Processing/Maintenance (Subcategory)
☐	☒	Chemicals and allied products
☐	☐	Coal gasification
☐	☐	Coke production
☐	☐	Electric power generation and distribution
☐	☐	Electronic/electrical equipment
☐	☐	Fabrics/textiles
☐	☐	Lumber and wood products/pulp and paper
☐	☐	Lumber and wood products/wood preserving/treatment
☐	☐	Metal fabrication/finishing/coating and allied industries
☐	☐	Oil and gas
☐	☐	Ordnance production
☐	☐	Plastics and rubber products
☐	☐	Primary metals/minerals processing
☐	☐	Radioactive products
☐	☐	Tanneries
☐	☐	Trucks/ships/trains/aircraft and related components

P C	S S	Waste Management (Subcategory)
☐	☐	Radioactive waste treatment, storage, disposal
☐	☐	Municipal solid waste landfill
☐	☐	Mine tailings disposal
☐	☐	Industrial waste landfill
☐	☐	Industrial waste facility (non generator)
☐	☐	Illegal disposal/open dump
☐	☐	Co-disposal landfill (municipal and industrial)

P C	S S	Other (Subcategory)
☐	☐	Agricultural
☐	☐	Contaminated sediment site with no identifiable source
☐	☐	Dust control
☐	☐	Ground water plume site with no identifiable source
☐	☐	Military/other ordinance
☐	☐	Product storage/distribution
☐	☐	Research, development, and testing facility
☐	☐	Retail/commercial
☐	☐	Spill or other one time event
☐	☐	Transportation (e.g. railroad yards, airports, barge docking site
☐	☐	Treatment works/septic tanks/other sewage treatment

P C	S S	Mining (Subcategory)
☐	☐	Coal
☐	☐	Metals
☐	☐	Non-metals minerals
☐	☐	Oil and gas

P C	S S	Recycling (Subcategory)
☐	☐	Automobiles/tires
☐	☐	Batteries/scrap metals/secondary smelting/precious metal recovery
☐	☐	Chemicals/chemicals waste (e.g. solvent recovery)
☐	☐	Drums/tanks
☐	☐	Waste/used oil

SITE TYPES **(Designate <u>one</u> dominant primary category (*PC*). Designate all secondary subcategories (*SS*) that apply.)**

Attachment E

SITE SCREENING ASSESSMENT SAMPLING EVENT SUMMARY TABLE

Site Name: **Site Screener:**

Date	Event	Media	Location	Depth	Method	Quality	Result	Benchmark
____	____	____	____	____	____	____	____	____